

OUTLOOK

The University of Maryland College Park

September 12, 1988

Campus Child Care Center Now Open

When four-year-old David's family drives past the University of Maryland College Park campus, he points excitedly and shouts, "I'm going to that school! I'm going to that school!"

No, David is not a four-year-old genius preparing to enter the university's pre-med program. But he is one of approximately 80 children who is attending UMCP's newly-established child care center this fall.

The center is the result of many years of hard work and planning spearheaded by members of the Chancellor's Commission on Women's Affairs.

The College of Education's Center for Young Children is now providing the full-day child care program for children of students, faculty and staff on the campus.

And David's not the only one excited about the new full-day child care program. So is his mother, Theresa Smith, a clerk/typist on the campus. Smith says she is relieved that her son will be "in a learning environment" the year before he begins kindergarten.

"He's with a babysitter right now," says Smith, who lives in Hyattsville.

"The child care center is the best thing for him. He'll be learning skills that will better prepare him for kindergarten. His older sister (now a third grader) wasn't in a child care program, and she's had to struggle to keep up. It can make a difference."

The child care center began operation on September 12 and is an expansion of the 2 1/2-hour-a-day laboratory preschool program run by the Center for Young Children for many years.

"This (expanded program) is the result of the changing needs in society," says Dr. Elisa Klein, the newly-appointed director. "More women are working and returning to school."

The center, which is housed in the Cambridge Complex, consists of four classrooms for the three-, four- and five-year-olds who are registered for the program.

Klein, who is an associate professor of early childhood education, says that the center is already full and that a waiting list has been established.

Youngsters are chosen for the program by a lottery system. Once the program is filled, a waiting list is established on a first-come, first-served basis, she says.

"Each summer there will be a lottery for any openings for the next



Teacher Sallie Tinney is shown with students last year in the 2 1/2-hour-a-day laboratory preschool program run by the Center for Young Children. Tinney will also be teaching in the center's new full-day child care program.

BARBARA TYROLER

year," explains Klein.

The day care center is open from 7:45 a.m. to 5:30 p.m. Monday through Friday except for university holidays. Tuition cost for the center will be based on a sliding scale determined by income.

Smith says that she will be paying less for the day care program than for a babysitter. She also says that the campus program was less expensive than the other child care programs she considered.

Klein, who was an associate professor of early childhood education at Ohio State University before coming to the College Park campus this year, says: "Our intent is for the program to meet several purposes. We want to provide child care to the university community, to provide a setting for

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FY '90 Budget Requests 10.6% Increase in State Supported Programs for UMCP

It's definitely not business as usual on the budget planning front at College Park these days.

The passage of Senate Bill 459—the Action Plan for Higher Education that created the expanded University of Maryland System—also designated College Park as the state's "flagship" campus and specified minimum mandated General Funds for College Park in FY 1990. As a result, College Park is expected to receive about \$25 million more in operating funds in the fiscal year starting next July 1.

This is an approximate 13.1% increase in State General funds over the current year's appropriation.

However, when inflationary factors are considered, the additional funding is actually closer to a seven percent increase, Acting President William E. Kirwan told the Board of Regents at their recent budget hearing.

Next year's budget request has now been submitted to state officials and will be incorporated into the Governor's budget presentation to the legislature in January. If approved without substantial cuts, College Park will benefit in a number of areas.

The university's budget request was based on a new state budgeting

concept—the Current People Services (CPS) budget. Introduced by the state for the first time in the fiscal 1990 budget process, this concept replaces the old Maximum Agency Request Ceiling (MARC), the maximum amount a state agency could request from State General Funds. The intent of the new CPS plan is for state agencies to identify General Funds—State Supported Programs—required to continue the current fiscal appropriations and request additional funds on-

ly sufficient to provide for inflation factors and expected new workload. It is a budget process considerably more restrictive than in previous years. However, the passage of SB 459 modified this plan in relation to College Park's budget request for the upcoming year since the bill mandates a minimum level of General Funds support for UMCP.

The College Park budget request for State-Supported Programs for FY

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New Emeriti Professors Selected

In June Chancellor John B. Slaughter appointed nine UMCP faculty members Professors Emeriti.

Slaughter said all had enriched the campus community with their distinguished record of scholarship, commitment to education and their devoted service to their departments, Colleges, University and State of Maryland. Their emeritus status, he added, reflects the high esteem in which they are held by their colleagues.

The nine emeriti professors are: Isadore Adler, Department of

Chemistry and Biochemistry; William F. Atchison, Department of Computer Science; Robert B. Beckmann, Department of Chemical and Nuclear Engineering; Jean D. Grambs, Department of Human Development; Agnes B. Hatfield, Department of Human Development; Richard B. Hovey, Department of English; Richard H. Jaquith, Department of Chemistry and Biochemistry; Charles A. Shreeve, Jr., Department of Mechanical Engineering; and George A. Stevens, Department of Agricultural and Resource Economics. ■

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Sloan Fellowship Awarded

An Alfred P. Sloan Foundation Doctoral Dissertation Fellowship has been awarded to David F. Walnut, a graduate student in the Dept. of Mathematics.

The fellowship program is open to leading economics and mathematics departments, which are invited to submit nominations.

Committees of distinguished economists and mathematicians selected twenty-five fellowship winners in each discipline from among the graduate students nominated. The fellowship provides a \$12,000 stipend plus tuition and fees for the 1988-89 academic year.

Construction of Archives Center Approved

The U.S. Senate Appropriations Committee recently approved \$205 million to construct a National Archives storage and research facility on the College Park Campus. This decision almost assures that construction of the project, called Archives II, will begin this year. Once completed, Archives II will be the largest storage facility of historical documents in the nation and house two-thirds of the national archives collection, a great advantage for campus researchers. The UM Board of Regents in March unanimously voted to donate the 3.7 acres of land at University Boulevard and Metzger Road for the facility.

RESEARCH UPDATES

Physicists Test Exclusiveness of Exclusion Principle

Absolutes in science are rare. One absolute, thought to be sacred, is the Pauli exclusion principle which provides the foundation for how atoms are structured. Without the principle, matter and the science of physics itself, some might say, would collapse.

UMCP physicists, however, have asked the unaskable question — "Can the Pauli exclusion principle be violated?" Professors Wally Greenberg and Rabi Mohapatra have theorized that maybe it can, and the next question the physicists are asking is "If it can be violated, how would the violation show up?"

The exclusion principle, stated by Austrian physicist Wolfgang Pauli in the 1920s, states that no two particles classified as fermions can have identical quantum numbers. Two fermions, such as electrons, can occupy the same orbit as long as the spin for each electron points in a different direction. Or they can have the same spin direction as long as they are in different orbits, but they cannot be both in the same orbit and also have the same spin.

Last year, two Russian physicists published a basic model that would allow two identical fermions to fill the same state. "They had the initial idea," Greenberg explains, "but we developed the quantum mechanics of their idea and proposed specific experimental tests."

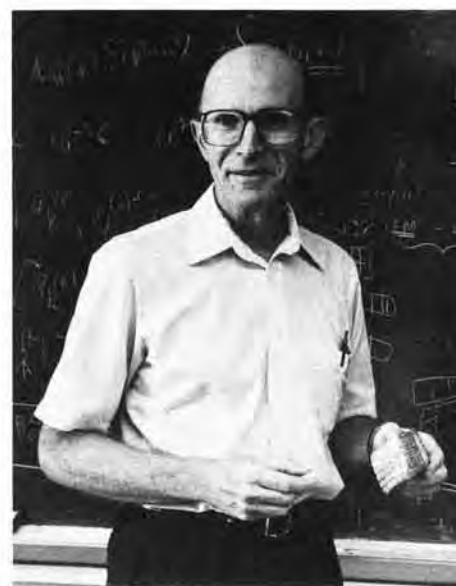
The first experiment that has been completed — designed by another UMCP physicist, Professor George Snow, and carried out by UMCP

graduate student Eric Ramberg at Fermilab in Illinois — found that if there is a violation in the principle, it occurs at most in one atom out of every 10^{26} atoms.

For the moment, this experiment indicates that the Pauli principle is obeyed much more than the physicists previously thought. Past experiments proposed that the principle would be violated at most by one atom in every 10^6 to 10^8 .

Greenberg says that Bob Park, UMCP professor of physics, and Dan Kelleher of the National Bureau of Standards are preparing another experiment.

And what if violations are found in a future experiment? Greenberg is not sure of the ultimate effects of a violation of the Pauli principle, but it



Wally Greenberg

might provide evidence for the existence of extra space dimensions which have been rolled up (or "compactified") into such small sizes that they have never been seen. ■

User Friendly — A New Course for the Technologically Illiterate

Americans, at least most of us, are the victims of technological illiteracy.

Recent national surveys have shown that we know next to nothing about how or why our telephones and TV sets work; that many of us still stand in awe of the simplest computer that makes a bank money-mover card operate; that we understand more about Superbowls than we do about superconductivity.

William W. Destler, professor and chair of the Department of Electrical Engineering in the College of Engineering, has devised a new course for non-technical majors. He hopes it will equip them with sufficient understanding of modern technology to help them make intelligent decisions both in the marketplace and at the ballot box.

The course is called "How Things



Work: Technological Literacy for the 1990s" (ENES 389). The only prerequisite is MATH 110 or its equivalent. Destler says the course will focus

on computers, radio and television networks, telephone systems, radar, superconductors, radiation sources and their hazards, electric power

systems, and home appliances such as compact disc players, microwave ovens, and video cassette recorders.

"We in the College felt that we have a responsibility to provide services to the College Park community at large to help demystify modern technology to non-majors as well as to our own students," Destler says. "Based on informal surveys and conversations, we found that there are many students who would be only too happy to spend a few hours a week learning about how modern technology works." He expects the new course to attract about 50 students. ■

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to The University of Maryland, College Park, MD 20742. Our telephone number is (301) 454-5335.



Researchers Win Biomedical Awards

Nine UMCP researchers and two departments recently received this year's Biomedical Research Support Awards. Each year the Graduate School receives a grant from the National Institutes of Health to further biomedical research at the University. The money is divided among young UMCP investigators who seek support for their research and departments that need special equipment.

Here is the list of winners: *Individual Research Support*

—Graham Caldwell, Physical Education, "Muscle Synergism in Static and Dynamic Torque Production;"
—Lin Chao, Zoology, "Evolution of Sex in the RNA Virus Phi6;"
—Thomas Cook, Microbiology, "Determining the Nucleotide Sequence of the gyr A Gene of Neisseria gonorrhoeae;"
—Douglas Julin, Chemistry, "The Mechanism of Action of the recBCD

Enzyme of Escherichia coli;"

—Anthony Olek, Zoology, "Formation of the Postsynaptic Complex in a Novel Muscle Cell Structure;"

—Benham Pourdeyehimi, Textiles and Consumer Economics, "Accelerated Testing of Vascular Grafts;"

—Siba Samal, Veterinary Medicine, "Molecular Cloning of Bovine Respiratory Syncytial Virus Genes;"

—John Watson, Botany, "Multiple Interactions in Photoregulated Gene Expression in Plants;"

—Robert Yuan, Microbiology, "The Effects of DNA Methylase Inhibitors on N. gonorrhoeae;"

"Departmental Equipment"

—Sashi Mohanty, Veterinary Medicine, Beta Liquid Scintillation Counter;

—Arthur Popper, Zoology, Zeich Soft Laser Scanning. ■

MIPS Funds 25 More Partnerships

Bata Shoe Company is developing a cost-effective thermoplastic material for use in waterproof safety boots. Eastalco Aluminum Company will create a non-destructive test for inspecting anode blocks in production. Inovar Biologicals will be able to expedite the diagnosis of prenatal congenital abnormalities and lower the cost of such tests. Cemcom is applying computer-aided design techniques to enhance the strength and durability of ceramic tools.

These companies are among 25 Maryland firms that have been awarded matching funds for innovative research projects in partnership with University of Maryland technical researchers through the Maryland Industrial Partnerships (MIPS) program.

The University's Engineering Research Center sponsors the program that gives industry access to the resources of the statewide University system, its faculty expertise, laboratories and facilities. ■

Kirwan to Speak at First Senate Meeting

Acting President William Kirwan will give his "State of the Campus" address at the first Campus Senate meeting of the fall semester, Monday, Sept. 19 at 3:30 p.m. in Room 0126, Reckord Armory.

The senate election is also on the agenda. Candidates for chair-elect are Peter G. Brown and Don Piper. Nominees for the executive committee include: Roger Allen, Maurine H. Beasley, Ira Block, Marvin Breslow, Curtis Grimm, J. David

Lockard, Paul Markham, Paul Mazzocchi, Gerald Miller, Robert Mitchell, Alan Pasch, Paul J. Smith, Charles Striffler, Grace Yeni-Komshian, John Menard, Carol A. Prier, Marlene W. Vikor, Brian P. Brooks, Michelle Pexcov, Toby Linden and Judy Jarrell.

Campus Senate meetings are open to the university community. The next regular meeting is scheduled for Oct. 13. Call x4549 for info.

Full-day Child Care Comes to UMCP

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research on issues in child development and education, to present a state and national model of good, quality child care, and to provide a setting for teacher training."

Besides having full-time accredited teachers in each classroom, there will also be student teachers and volunteers, giving students in the College of Education a chance to observe and interact with the youngsters.

"The majority of teachers in the program are working on advanced degrees," says Klein.

While the 2 1/2 hour preschool program will be phased out after this year, Klein expects that the reputation the Center for Young Children has established will remain with the expanded program, which will also include half-day classes.

"We want to strive for the same quality," says Klein of the 2 1/2 hour program which has existed at the university for 40 years. "Parents who were in the program are now sending their children—generation to generation. This program has a national and international reputation for excellent research as well as quality child care. We want to continue that and show that we can provide full-time child care and still be an excellent program."

Smith says that she is well aware of the 2 1/2-hour-a-day program and its reputation.

"I have heard nothing but good things about the other program (2 1/2-hour-a-day laboratory preschool)," says Smith. "And I'm excited for

David to be in this program. If it weren't for the day care center, he would have had to stay with the babysitter. And the others she keeps are babies. So, David would have spent all day with babies. I don't think he would have been too happy about that. But he has to stay somewhere. It's so hard. School will be great for him, though. He'll be content."

"I think this is a very important service for the entire university community. Not only for students, but faculty and staff, as well," says Vicki Freimuth of the Department of Communication Arts and Theatre.

Freimuth was a member of the Chancellor's Commission on Women's Affairs that encouraged the campus to consider offering full-time day care during the late '70s.

"It's always been an issue," says Freimuth of the proposed day care center.

The full-time day care center finally became a reality when Chancellor John B. Slaughter, a proponent of minority and women's issues, set as one of his administration's goals in his inaugural address in May 1983 the possibility of a campus child care center.

An investigation was conducted by the Chancellor's staff into the child care options available to the university including a survey that was conducted by the Survey Research Center. The survey found that there was, indeed, a significant need for child care on campus.

"It was a massive project," says Julie Goodwin, an attorney in the president's office. "We had to look into what resources we had and what was needed."

Originally, says Goodwin, the campus considered setting up a center run by an independent contractor in a building financed and constructed by the contractor on land provided rent-free by the university.

In 1985, the university received two proposals. An evaluation committee then selected one.

Due to a change in management, however, the proposal was withdrawn.

"We were told that the contractor no longer considered the project feasible," says Goodwin.

The university then issued a second request for proposals in March 1988. While the campus was considering the proposals, the Center for Young Children also expressed interest in the project.

"We were interested in considering outside proposals, as well as those provided by the College of Education," says Goodwin.

In operating the day care center through the Center for Young Children, a high quality program is being offered, says Goodwin.

"Its (the program's) teacher qualifications far exceed those required by state child care regulations," says Goodwin.

"What we want to do now is get it off the ground, determine what is needed and what resources will be

available," says Goodwin of the day care center.

She added that the university might consider adding younger children or additional hours of operation to the program in the future.

"We're willing to look into it," says Goodwin.

Those interested in further information or being placed on the waiting list should call 454-2341. ■

—Lisa Gregory

New Journalism Fund Raiser Appointed



Frank Quine

Frank Quine has been appointed director of development for the College of Journalism and vice president of *Washington Journalism Review*, the national monthly magazine of media analysis and criticism published by the school.

Quine's office will handle fund raising, alumni, public relations, publications and selected educational programs for professionals.

For the *Washington Journalism Review* he will concentrate on the fund raising drive to establish a permanent endowment for the magazine. With a circulation of 30,000, *WJR* was given to the school in 1987 by Jessica and Henry Catto.

Quine comes to College Park with 18 years' experience on the executive staff of the American Press Institute of Reston, Virginia and ten years as a reporter and editor on newspapers in Jacksonville and St. Petersburg, Florida. ■

College Park Retailers and UMCP Cooperate in Alcohol Awareness Program

In a joint effort between UMCP, area businessmen, the Prince George's County Police Department and the City of College Park, a program to promote student alcohol education will begin on and off campus this week.

The program, called SUDS—Students Understanding Drinking Sensibly, was recently initiated by several campus-area alcohol retailers. The retailers, along with four beer distributors, have raised nearly \$9,000 and are promoting their effort with 2,000 SUDS T-shirts and buttons to be given to students during the coming weeks.

"When it comes to drinking, we (alcohol retailers) have a communications link with students that others don't share," says John Brown, a SUDS founder and owner of RJ Bentley's Filling Station, a College Park food and drinking establishment.

"We deal with students a lot. We can talk to them and communicate

alcohol awareness. Most of these kids are not out of hand, but we are hoping, through SUDS, that we can get people to stop and think, to realize getting blasted is no longer in vogue. We're saying, 'Have fun. Party, but do it sensibly.'"

According to Dr. Maggie Bridwell, director of the Student Health Center, UMCP supports the effort and is contributing to the program by assisting in the training of area bartenders through the Health Education Office. The training will be designed to help student bartenders work with student clientele toward a sensible drinking environment.

The Office of Greek Life, which represents the 52 sororities and fraternities on campus, is also developing increased alcohol awareness through the program, GAMMA—Greeks Advocating the Mature Management of Alcohol.

"This is the first time I have seen the community and the university so

involved together in a program like this," says Bridwell.

According to Capt. Jack San Felice, Prince George's County Police Department Bowie station commander, plainclothes police officers will help kick-off the program in the evenings this week at various College Park drinking establishments. The officers will test the alcohol level of volunteers with portable breath testers. People who are found to be sober will be given SUDS T-shirts.

"There will be no arrests for intoxication," San Felice says. "This is simply a way for us to assist merchants and UMCP in their alcohol awareness program."

"I sense a real spirit of cooperation between the community and the university in the SUDS program," says College Park Mayor Anna Owens. "I applaud the efforts and will attempt to help in any way I can." ■

—Fariss Samarrai

Calendar

Reception for Graduate Students

The Women's Study Graduate Student Network, a feminist research and support group, is holding a reception for new and returning graduate students interested in women's issues on Sept. 14 between 4 and 6 p.m. in the conference room of the Mill Building. If you can't make the reception but are interested in learning more, you are welcome to attend any of the regular informal meetings the network holds each Wednesday 4-6 p.m. in the same location. For further info call x3841 or x7219.

12 MON

Horticulture Lecture: "Final Swell in Peach Fruits: A Model-System for Hormone/Carbohydrate Interactions," Christopher Walsh, 4 p.m., 0128b Holzapfel Hall. Call x3614 for info.

Aerobics Admission Cards go on sale, 8:30 a.m.-6 p.m., Reckord Armory Lobby. Call x3124 for info.

13 TUE

Commuter Info. Expo., 8-11 a.m., West Foyer, Stamp Union. Call x5274 for info.

Benefits Orientation for new faculty and staff, 10 a.m., 2202 Hornbake Library. Call x6312 for info.

Gala Opening of Ellicott Diner, a '50s style diner in the Ellicott Community dorm group; '50s style, '50s music and from 11 a.m.-12 midnight, '50s prices; (regular hours 7 a.m.-12 midnight). Call x2901 for info.

Reception for New Campus Senate and Committee Chairpersons, 3:30 p.m., Maryland Room, Marie Mount Hall. Call x4549 for info.



Canterbury Club Ice Cream Social for new and returning students, 7 p.m., Rector's Lounge, St. Andrews Episcopal Church, 4512 College Avenue. Call x2347 for info.

Women in the Church Discussion: Sister Mariella Frye, member of the drafting committee, will lead a discussion on the first draft of the American Bishops' pastoral, "Partners in the Mystery of Redemption," 7:30 p.m., Catholic Student Center, 4141 Guilford Drive. Call 864-6223 for info.

Feminism Lecture: "Feminist History: Sexuality in the United States," Dr. Estelle Freedman, Stanford University, 8:30 p.m., 2309 Art/Sociology Building. Call x3841 for info.



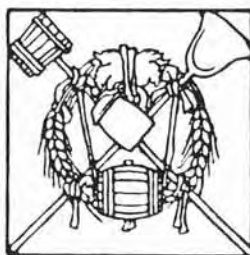
"Good Times," choreographed by Robert Small, will be part of the program presented by Improvisations Unlimited at the free Kennedy Center Open House on Sept. 25.

14 WED

Registration for Flag Football, Sept. 14-20, 8:30 a.m.-6 p.m., Reckord Armory Lobby. Call x3124 for info.

Career Counseling Seminar for all UMCP employees, 9 a.m.-noon, Non-Print Media Lab, 4th floor, Hornbake Library. Call x4811 for info.

Counseling Center Brown Bag Lecture: "Reaching Out Sexually," an examination of current sexual issues on campus and educational strategies to address them, Robin Sawyer, UMCP Health Center, noon, 0106 Shoemaker. Call x2937 for info.



Early American History Seminar: "The Wealth of the Maryland Elite, 1691-1776," Trevor Bernard, University of the West Indies, 8 p.m., 1104 Stamp Union. Call x2843 for info.

15 THU

College of Education Supper Meeting for alumni, faculty and students, 6:30 p.m., Stamp Union Atrium. Call x2012 for info.

University Theatre Open House, 8 p.m., University Theatre, Tawes Theatre (lot 1 entrance). Call x2201 for info.

16 FRI

Published Women Luncheon: Maurine Beasley speaking on her book *Eleanor Roosevelt and the Media*, noon, Rossborough Inn, reservations \$8, co-sponsored by AAUW and Maryland University Club. Call x3940 for info.

Field Hockey vs. Virginia, 3:30 p.m., Campus Astroturf Facility. Call x2133 for info.



Geography Brown Bag Lecture: "Perspectives on Coastal Management in Eastern Australia," Lew Hird, Catholic College of Education (Sydney, Australia), noon, 1179 LeFrak Hall. Call x2241 for info.

Mental Health Lunch 'N Learn Lecture: "Effects of PCP and Hallucinogens," Doris Clouet, National Institute of Drug Abuse, 1-2 p.m., 3100 University Health Center. Call x4925 for info.



Registration for Singles Tennis, Sept. 16-23, 8:30 a.m.-6 p.m., Reckord Armory Lobby. Call x3124 for info.

17 SAT

College of Engineering Fall Picnic, 1-5 p.m., Engineering Classroom Building Lawn, reservations required by Sept. 13. Call x2938 for info.

Women's Soccer vs. Monmouth, 1 p.m., Denton Fields. Call x2123 for info.

18 SUN

Registration Deadline is today for the College of Library and Information Services Alumni Day to be held Sept. 30. Call x2590 for info.

19 MON

Mathematics Lecture: "The Geometry of Curves," Scott Wolpert, 3 p.m., 3206 Mathematics Building. Call x3762 for info.

Horticulture Lecture: "Potential of Maryland's Peach and Nectarine Industry," Blair Busenbark, 4 p.m., 0128b Holzapfel Hall. Call x3614 for info.

Space Science Seminar: "Theoretical Studies of the Pickup of Newborn Cometary Ions," John D. Gaffey, Jr., 4:30 p.m., 1133 Computer/Space Sciences Building. Call x7313 for info.

Guarnieri String Quartet, open rehearsal, 5 p.m., Tawes Fine Arts Building, room number TBA. Call x6669 for info.

Water Aerobics Begin: every M,W,F, 5-6 p.m., Preinkert Field House. Call x3124 for info.

20 MON

Registration for Golf, Sept. 20-26. Call x3124 for info.

Field Hockey vs. American, 4 p.m., Denton Fields. Call x2123 for info.

21 TUE

Counseling Center Brown Bag Lecture: "An Investment In Youth," Hilda Crespo, The ASPIRA Association, a Hispanic community development organization, noon, 0106 Shoemaker. Call x2937 for info.

Writers Here and Now poetry reading, Reed Whittemore, 4 p.m., Katherine Anne Porter Room, 3rd floor, McKeldin Library. Call x2511 for info.

Architecture Exhibit: "A Victorian Playground: The People, The Place and The Architecture of Cape May, New Jersey," through October 26, reception Sept. 28, School of Architecture Gallery. Call x3427 for info.

Registration for Volleyball, Sept. 21-27, 8:30 a.m.-6 p.m., Reckord Armory Lobby. Call x3124 for info.

* Admission charged for this event. All others are free.

COMING ATTRACTIONS

No Money for Les Misérables? Improvise!

Improvisations Unlimited starts the fall, performing as part of the 4th Annual Kennedy Center Open House Arts Festival on September 25 at 5:45 p.m. in the Terrace Theater. The Open House is a fun-filled day of dance, music and theater for the whole family. Admission is free. Call x4847 for info.

Alumni Invitational Design Show

Alumni from the Graphic and Interior Design Department will showcase their creativity September 28th to November

4th in the Parents Association Gallery, Stamp Union. Sponsored by the Parents Association and the Design Alumni Chapter, the opening reception will be October 3, 7-8:30 p.m. Call x1878 for info.

First Look Fair

Check out the student organizations, services, academic departments and local merchants that are a part of student life in College Park, September 28 & 29, 11 a.m.-4 p.m., McKeldin Mall. Call x5605 for info.

New Honors for Guarneri Quartet

The Guarneri Quartet, resident string quartet on the College Park Campus, were recently made honorary members of the Brahms Society of Baden-Baden, West Germany. In awarding their first honorary membership, the society called the Guarneri the most "European" of the American string quartets and said it is currently regarded as one of the best in the world.



ARTS AT MARYLAND

Classics Scholar Pleads Case for Byzantine Empire



A Byzantine mosaic portrait of Emperor Constantine IX (1042-1055)

As scholarly emphasis on historical periods goes, the Byzantine Empire has not received its due in the opinion of Byzantine scholar John Duffy.

Duffy, associate professor of classics at UMCP, sees the thousand-year Byzantine Empire (roughly 330-1453) as a profoundly important historical force, in its own way the equal of medieval Europe in significance. For instance, Byzantine as well as European intellectuals rediscovered antiquity and engaged in a study of classical

culture that led to the Renaissance, he says. But the academic effort devoted to the Middle Ages over the centuries has greatly outweighed that given to the Byzantine Empire.

"This subject doesn't deserve to be as obscure as it is," Duffy says. "It struggles against certain historical difficulties and prejudices."

The major obstacle to studying the Byzantine Empire is language. While most of the writing of medieval Europe is in Latin, the language of the Byzantine Empire was Greek.

Latin is a more popular language among scholars than classical Greek, Duffy says. And even a knowledge of classical Greek does not make Byzantine writing automatically accessible to scholars. During the Byzantine period, the language was in transition from its classical to modern form, making many important meanings and nuances available only to those readers who have had special training in Byzantine era Greek, he says.

"There is also a prejudice (among scholars) dating back to the time of (Edward) Gibbon," Duffy says. "He didn't think much of the Byzantine Empire."

Duffy, however, thinks a great deal of the period and its important figures. While he teaches classes on a variety of aspects of classical Latin

and Greek culture, his research focuses almost exclusively on the Byzantine period.

In recent years, his work has centered on Michael Psellos, a Byzantine intellectual of the 11th century. Duffy recently completed a 10-year project for an East German classical series in which he compiled manuscripts of Psellos' philosophical writings and edited them. This is part of an effort to assemble, with other scholars, to assemble a 10-12 volume series of Psellos' work.

"You could say Psellos was sort of the Henry Kissinger of his day," Duffy says. "He was a professor who served as a prime minister to three emperors. He was a lawyer, judge, philosopher, historian and a key figure in bridging ancient Greek culture and the Renaissance."

"Among his most intriguing writings are his chronicles of the

years 976-1076. This time period covered much of his own life. He took a new approach in these chronicles. Rather than simply listing events, he projected his own personality into his work, often citing his own observations and impressions."

And while Duffy pursues his research of such individuals as Psellos, he sees the Byzantine Empire gaining a bit more respect in the scholarly world.

During the last 50 years, scholars have given increasingly more serious consideration to the Byzantine Empire, Duffy says. The spur for this activity was the enthusiasm of a handful of European scholars including such figures as George Ostrogorsky, author of *History of the Byzantine State*.

"Sometimes a few influential people can create a movement. There's increasing interest, and it's well deserved," Duffy says. ■

University Community Concerts Offers Expanded Subscription Series



Piano virtuoso Murray Perahia

Begun as a single series of seven chamber music concerts in 1976, the University Community Concerts has expanded again for the 1988-89 season and now offers music-loving audiences a choice of five separate series that total twenty-five individual concerts.

Among the highlights of the coming season are performances by the Cleveland Quartet, piano virtuoso Murray Perahia, the Boston Camerata early music group, and artists from the prestigious Marlboro Music Festival.

New for 1988-89 is the series called *WORLDSONG*, showcasing musical performing arts from around the world. Traditional Asian musical arts are featured in this inaugural season with instrumentalists, dancers and puppeteers from Korea, India, Japan and Bali.

A special family performance of the Medieval music drama, *Daniel and the*

Lions, will be presented on Dec. 11 by the Ensemble for Early Music. Tickets for children from seven years old through high school age will be \$5, with reduced prices for adults accompanied by a child.

The popular pre-concert symposia, bringing together performers, scholars and critics for discussions of the musical offerings will again be offered to the public free of charge. Selected concerts are also broadcast on National Public Radio.

Season subscriptions are available now for all five of the UCC series: the *Chamber Music Series*, the *Old Music Series*, the *Keyboard Series*, *WORLDSONG*, and the *Great American Songwriters/Jazz Series*. Student sampler subscriptions and group sales are available. Most of the concerts take place in the Center of Adult Education auditorium. For information and brochures, call x6534. ■

—Linda Freeman

The Familiar and the Unusual Can be Found At University Theatre in 1988-89

A mix of traditional favorites and experimental offerings highlights the University Theatre 1988-89 season.

Eight productions, four in the Tawes Theatre and four in the Rudolph E. Pugliese Theatre, are on the theater playbill. Post-performance discussions of each production with the director, actors and members of the staff will be held on one night of the run of each show.

The season will open with Shakespeare's "Much Ado About Nothing" Oct. 6-9 in Tawes Theatre. The play, presented in association with the Center for Renaissance and Baroque Studies, will feature actors from the Royal Shakespeare Company, the National Theatre of Great Britain and the BBC. Discussion of the show will be Oct. 7.

The first Pugliese Theatre production is "An Older Sister, Burning Like a Flame," an avant garde Japanese play, which will run Oct. 18-23 and 25-30. The play, written by Shimizu Kunio and translated by UMCP faculty member Thomas Rimer, presents a surrealistic vision of life in which an actor searching for his future finds his past. Discussion of the show will be Oct. 27.

Other productions on the schedule are:

— Georges Feydeau's "A Flea in Her Ear" Nov. 3-6 and 10-12 in Tawes Theatre. The play is a classic

French farce. Discussion of the show will be Nov. 10.

— "Fool for Love," a study of love, hate and the dying myths of the Old West by contemporary American playwright Sam Shepard, Nov. 29-Dec. 4 and Dec. 6-11 in the Pugliese Theatre. Discussion of the show will be Dec. 8.

— "Purlic," the musical tale of a new-fangled preacher in the Old South, Feb. 9-12 and 16-18 in Tawes Theatre. The University of Maryland Gospel Chorus will sing in this production. Discussion of the show will be Feb. 16.

— Samuel Beckett's "End Game," Feb. 28-March 5 and March 7-March 12 in the Pugliese Theatre. Discussion of the show is March 9.

— "The Empire Builders," Boris Vian's absurdist play about a family struggling to escape its own mortality, April 6-9 and April 13-15 in Tawes Theatre. Discussion of the show will be April 13.

— The season closes with a production of the musical, "Working," May 2-7 and 9-14 in the Pugliese Theatre. The play is based on Studs Terkel's bestselling book of interviews with American workers. Discussion of the show will be May 11.

Tickets to the plays are available for single productions and in season subscriptions. For ticket information call 454-2201. ■

Green Awarded 1988 John Deere Medal

Robert Lamar Green, UMCP professor emeritus of agricultural engineering and a consulting engineering, has been awarded the 1988 John Deere Medal from the American Society of Agricultural Engineers. The award was presented at the society's international summer meeting in June in Rapid City, S.D. Presented annually since 1938, the medal is awarded for "distinguished achievement in the application of science and art to the soil." Green was awarded the medal "for leadership

in water management on forestry and agricultural lands and in international development." He is widely recognized in this country and abroad in engineering for the management of soil and water resources on agricultural and forest lands. He initiated development of the UMCP professional agricultural engineering undergraduate and graduate programs and later developed the country's first aquacultural engineering program.

CLOSE UP

Changing Technologies Spark Interest in Fire Protection Engineering

When David Collins and Eric Cote received their B.S. degrees at last December's commencement, they joined the ranks of what are now 413 alumni of the College of Engineering's 32-year-old Department of Fire Protection Engineering.

Although watching children of his graduates also become his former graduates may be enough to give him pause, John L. Bryan continues to have projects and program to pursue.

Bryan came to UMCP in 1954 as an instructor in what is now known as the Maryland Fire and Rescue Institute, teaching paid, volunteer and industrial fire fighters. In 1956 he became the first full-time faculty member and chairman of the Dept. of Fire Protection Engineering. The department has grown from an original graduating class of four in 1962 to 25 in 1988.

In the fall of 1990 or 1991, Bryan says he hopes to see the first students in a new graduate program in Fire Protection Engineering. Only one other school in the U.S. offers a graduate program in the field. Worcester Poly Technical Institute in Worcester, Mass., established a program in 1980. UMCP offers the only ABET accredited undergraduate program in Fire Protection Engineering in the country.

Bryan says that while it is difficult to predict, he expects the new graduate program at UMCP will attract about 24 full-time and 20 part-time students in the first three years and approximately 60 students after eight years. Currently, he says, the department receives from four to eight inquiries from students each month. These are now referred to Worcester Poly.

In his more than three decades at UMCP Bryan has also seen other changes in the program he helped

initiate.

Sharon Stone, the first woman graduate of the department, earned her degree in May 1979. She is now chief fire protection engineer at the Government Printing Office. And in December 1984, Gertrina R. Woodard (now Reese) became the first black graduate of the program. She is currently a fire protection engineer for the General Services Administration's Region Seven in Washington, D.C.

Bryan says that about 12 women enter the program each year. "Women in engineering are the best thing that ever happened to the profession," he says. "They tend to make the men work harder. The women are all above average; they are the only ones you get in engineering programs. They are a good influence on the academic performance of all our students."

Women graduates from Fire Protection Engineering also tend to command higher starting salaries than their male counterparts, he adds.

"We've never had a graduate leave here who didn't have a job offer," Bryan notes. "Recruiters are learning that they've got to visit the campus before the end of October or the end of March if they are to get the best pick of our December and May graduates."

"Students in Fire Protection Engineering are more concerned about society, not just about earning a high income," he says, commenting on the changes in student attitudes he has seen over the years. "They want a job where they'll be able to improve society and make a difference."

The federal government continues to be one of the largest employers of graduates. Over the past several years, Bryan's students have gone to work with such agencies as the General Services Administration, the Naval Research Laboratory, NASA, the Federal Bureau of Prisons, the Na-



John Bryan

tional Bureau of Standards, the Veterans Administration, the National Security Agency, the CIA and the Office of the Architect of the U.S. Capitol. Many alumni work as civilian fire protection engineers for the Department of the Navy.

Two students, as part of their required senior project, designed the fire protection engineering plan for the Arthur M. Sackler Gallery, the Smithsonian Institution's new underground art gallery on the Mall.

State and local governments are another major employer of recent graduates of the department. Four work in Phoenix, Arizona, a city that has what Bryan calls the most progressive fire department in the nation. Five graduates are with the Office of the Maryland State Fire Marshal and four others are with Prince George's County.

Another professional area is the field of consulting, either by specialized fire protection engineering firms or general engineering companies. In fact, Bryan says, this has become the fastest growing area for fire protection engineers in the last decade. A large number of such firms are located in the Washington, D.C. metropolitan area and many have hired UMCP graduates. "I think this is an indication of the increasing professionalization of the field," the chairman says.

A fourth area employing graduates is industry, both the large, multi-national corporations and the electric power industry. UMCP alumni can be found working for firms such as PEPCO, Georgia Power, TVA, American Electric Power, Virginia Power, Southern California Edison and other power generating operations.

Bryan clearly takes enormous pride in the 413 men and women who

have earned their degrees from the department. He is quick to recall the names of alumni, their professional affiliation and location. "Ours is a small department," he says. The twice yearly technical meetings of the National Fire Protection Association attract a significant number of alumni.

Bryan spent 27 years as a paid or volunteer fire fighter in various departments. In his office, the voices of several local fire department dispatchers can be heard crackling over a radio receiver that is always turned on. The UMCP professor earned both his B.S. and

M.S. degrees from Oklahoma State University and his Doctor of Education degree from The American University. Among his awards and honors are the Society of Fire Protection Engineers 1977 "Man of the Year" and the National Fire Protection Association's 1986 "Paul J. Lamb" Award. He is currently chairman of the National Fire Protection Association Standards Council and a member of the Board of Trustees of Underwriters Laboratory. He has authored two texts, numerous professional papers and has edited five publications.

Bryan believes that a significant change in public awareness of fire protection has taken place over the past decade. "Ten years ago most members of the general public wouldn't have enough interest to initiate a conversation about the subject," he says.

Today, however, the public is aware of smoke detectors, sprinkler systems, the dangers of high rise building fires. Bryan says the change in public awareness may be related to the general increase in interest and concern with the protection of the environment, personal health, the anti-smoking movement, depletion of the ozone layer and corporate policies that prohibit traveling employees from staying in hotels not equipped with sprinkler systems.

"The change in public awareness of fire protection has been intense and dramatic." ■

—Tom Otwell

Regents Fellowship Fund Endowed for Fire Protection Engineering Program

The Hartford Steam Boiler Inspection and Insurance Co. and its wholly-owned subsidiary, Professional Loss Control, Inc., have established an endowed fund to provide fellowship aid to full-time graduate students in Fire Protection Engineering in the UMCP College of Engineering.

The endowment, known as The Hartford Steam Boiler Inspection and Insurance Co. Regents Fellowship Fund, was established by gifts of \$50,000 each from the two firms.

Kenneth Dungan, president of Professional Loss Control, Inc., with T.S. Lewis, senior vice president, Hartford Steam Boiler, were instrumental in establishing the new fellowship fund.

Other alumni of the department, are actively engaged in a campaign to

raise \$1.5 million from industry and alumni to establish the nation's first endowed chair in fire protection engineering.

So far the campaign has raised \$650,000 to establish the endowed chair and to support graduate students. The campaign hopes to reach its goal by May 1989.

UMCP's Department of Fire Protection Engineering is the only professionally accredited undergraduate program of its kind in the U.S.

Hartford Steam Boiler Inspection and Insurance Co., headquartered in Hartford, Conn., offers insurance for property and equipment as well as a variety of technical and professional engineering services that contribute to safety, reliability and efficiency. ■

Thinktank Seminars Set

The General Honors Program at UMCP has announced Thinktank, a series of Saturday seminars for gifted students in grades seven, eight and nine. Thinktank is designed to enrich the students' creative problem-solving and decision-making skills. Participants will learn logic and reasoning techniques and take part in group and individual problem-solving activities. The program will be held in six Saturday morning sessions during October, November and December in Hornbake Library. Gifted Maryland residents who are in grades 7, 8 and 9 are eligible to enroll. They will be selected on the basis of standardized test scores, student interest and teacher recommendations. The seminar fee is \$90. The deadline for applications and teacher recommendations is September 25. For more information, call Joan Rosenberg at 454-3247.

Serving the Aging and their Families

Since 1980 the Family Service Center in Marie Mount Hall has been providing marriage therapy, family therapy and family life education to members of the campus and surrounding community. In response to changing demographics, now they are also offering assistance to families involved with aging. The center's graduate students, supervised by the clinical faculty, provide therapy and help in locating community supports for those involved in eldercare. Fees are on a sliding scale and are reduced by one-third for UMCP faculty, students and staff. Day and evening appointments are available; call x6180 or x6187 for info.

COLLEGE PARK PEOPLE

The Light at the End of the Tunnel

The campus' Glenn L. Martin Wind Tunnel attracts a variety of people for a variety of reasons. One day it might be a group of junior high school students looking for advice on a science fair project. The next it might be Maryland's Governor William Donald Schaefer who used the tunnel as the backdrop for a videotape segment produced last year.

The tunnel frequently plays host to groups from as far away as Peking University and as near as Suitland Junior High School.

Clients and sponsors of the tunnel's aerodynamic testing and research activities from government agencies and private sector companies are regular visitors.

June Kirkley, wind tunnel director Jewel Barlow's secretary, meets all these people with unfailing poise, good cheer and straight-to-the-point assistance. "I have known very few people who are capable of dealing directly and effectively with so large a variety of people," Barlow says. "June is one of them."

Kirkley has worked on the UMCP campus for 17 years. In 1971 she left the Maryland State Department of



IN THE SPOTLIGHT: June Kirkley

Transportation in Greenbelt to join the State Inspection Service of the Department of Agriculture, then housed in the campus chemistry building. She joined the wind tunnel staff in 1984.

Kirkley is not only the wind tun-

nel's unofficial greeter. She is also responsible for all recordkeeping for accounting purposes, billing customers for tunnel time and occupancy, arranging purchases of every item used in the tunnel laboratory, and maintaining the director's calendar of ap-

pointments and making travel arrangements. In addition, she prepares and updates class scheduling for the Aerospace Engineering Department and handles payroll matters for the tunnel staff.

Barlow is secretary of the Baltimore/Washington section of the Instrument Society of America and Kirkley serves as secretary to the secretary getting out a monthly mailing to some 900 local members of the Society.

Kirkley and her husband, a stationary engineer with Matomic Operating Company in Washington, D.C., live on two acres of land in Clinton, just south of Andrews Air Force Base. The sound of military aircraft taking off and landing reminds her that on or off her job she is never far removed from aviation.

"Dr. Barlow is 'Mr. Wind Tunnel,'" she says. "He has the ability to relate to any person at any level. He's a wonderful person to work for. Every week there is something different going on, and that's what makes it so enjoyable to work here," she says. ■

—Tom Otwell

College Park People: Reacting to Change

Change is a recurring element in the growth and development of a dynamic university such as UMCP. And this past summer was no exception. A chancellor departed; an acting president was named; a university system was reorganized. *OUTLOOK* surveyed members of the campus community for reactions to some of those and other changes that have taken place since last May's commencement.

Gerry Todd, a word processor in the Sociology Dept. says one of the most dramatic and active changes she's seen this summer has been the work on Tawes Plaza. "It has made it difficult to get across from Parking Lot AA, but we have managed," she says.

Michele Eastman, assistant to the dean of the College of Arts and Humanities has just returned from four months' maternity leave (she had a son). "There seems to have been a beautification effort made on campus. There are more things blooming, more shrubs and plantings, especially back of Taliaferro Hall," she says. "There is not as much trash. The campus has a cleaner look."

Nancy Swader, secretary III in the office of the chairman of the Dept. of Electrical Engineering admits she doesn't play softball. "I look out my back window (in the Engineering Classroom Building) and see those ballfields they're putting up (on the Engineering Intramural Field). I disagree with spending that kind of

money on something like that. But if it were a swimming pool, that would be different."

Daniel P. Logan, mail processor II, whose daily delivery route takes him to Main Admin, Mitchell, Lee, Rossborough, Turner and the Armory, agrees. "They've been working on the ballfields all summer."

Linda Peters, receptionist in the College of Business and Management, says she hasn't seen any real change. "Nothing, at least not right around this area (of Tydings Hall)," she says.

But just down the hall **Mary Jones**, secretary to the College's Assistant Dean for External Relations Kathleen S. Kelly, says the biggest change was the departure of Development Director Margaret E. Hall and the arrival of Kelly.

The Episcopal Chaplain **Fr. Pete Peters** (no relation to Linda) called the dedication of the campus Vietnam War Memorial in May one of the most significant and moving events in recent months. "I was very moved by the dedication. It stepped a nice middle ground between the excessive support of U.S. policy in Vietnam and the total suffering of that country. It was a very inclusive ceremony and I didn't feel at all alienated by it," the Australian-born Peters says.

"The reorganization of the University," says **Gloria E. Bartlett**, receptionist in the office of the Vice President for Academic Affairs and secretary to Richard Jaquith. "Change is the operative word. This office real-



Darlene King, Birthe Scott and Anne Franzak are winners of the first annual award for outstanding service by members of the College of Arts and Humanities' classified staff. The awards were presented by Acting Dean James H. Leshner last May. The new award recognizes classified staff who have distinguished themselves by exemplary productivity, innovative service and contributions to the esprit de corps of the University. Each award-winner received a plaque and a \$250 check.

ly feels it with all the movement of people — Dr. Kirwan down the hall to the Chancellor's old office, Dr. Goldstein coming in here. And in the middle of all this, the office got new carpeting."

Bartlett wonders if the campus

community really understands yet the significance of the new reorganization. "In this office we've been talking about it for more than a year." But, she believes, most people don't yet have any real idea about the impact it will have. ■

Scales Receives Service Award

William R. Scales, Assistant Director, Counseling, received the Ronald E. Blosser Dedicated Service Award during a national conference in New Orleans, July 20-23.

The award, presented by the Association on Handicapped Student Service Programs in Post-Secondary Education, is for Scales' work as an advocate and provider of services to students with disabilities.

Scales has written testimony for Congress on behalf of improved services for students with disabilities and has developed research and published results in various journals. He has served as an elected officer and member of the Executive Council to AHSSPPE.



Budget Priorities Outlined

continued from page 1

'90 totals \$308,392,341. This is an increase of \$29,513,513 (10.6%) above the current year's appropriation.

It includes an increase of \$25 million (13.1%) more in General Funds support (state tax dollars); an increase of \$3.6 million (4.5%) in Special Funds; and Federal Funds of \$674,158, an increase of 10.7 percent related to increased federal indirect cost.

The asking budget calls for a 4 percent average merit increment for faculty and professional staff and normal increments for classified staff. It also contains a tuition increase of 8 percent for UMCP students.

The budget requests \$678,018 to continue the highly successful recruitment and retention program aimed at attracting and retaining outstanding faculty. It will provide \$1.6 million and 60.32 positions to support required maintenance and utilities workload related to starting up new facilities. It includes \$3,475,000 to offset lost tuition revenue associated with the second year of UMCP's approved five-year plan to decrease its undergraduate enrollment by 20%.

The FY '90 budget contains support for some high priority current initiatives. These include:

- \$2.5 million for the facilities renewal program;
- \$1.2 million for increased scholarships, fellowships and remissions costs related to the desegregation financial aid program;
- \$2.4 million and 31 positions to support exemplary programs in the Natural Sciences, Computer Science, Engineering and other academic programs;
- \$1.7 million as second-year funding for faculty and student computer workstations;
- \$600,000 and 2.5 positions for service-related enhancement programs, including Maryland Industrial Partnerships (MIPS) and support for partnerships with public schools.

Funding for new priorities includes:

- \$3.3 million and 5 positions for libraries, including \$1.6 million to upgrade the library's technical capacity, replace outmoded equipment, and purchase a new generation library computer system, \$1.2 million for serials inflation stabilization, and \$500,000 for collections development;
- \$500,000 to support academic computing network data wiring costs;
- \$824,085 and 14 positions for administrative computing, including acquisition of software, training and conversion services, and essential personnel to support these activities;
- \$950,000 and 11 positions for enhancement of undergraduate education, to initiate a multi-year program of curricular revision and improvement in academic services;
- \$400,000 and nine positions to provide for improved undergraduate recruitment and retention services in financial aid, advising, and counseling;
- \$100,000 and two positions to

augment the campus desegregation effort;

- \$1,778,000 million and 15 positions as the first phase to enhance staffing, operating and equipment support for academic departments;
- \$475,000 and four positions to correct externally imposed funding deficiencies related to hazardous waste disposal, increased dumping fee costs, improved services to hearing impaired and streamlining of accounts payable;
- \$929,000 for increased graduate fellowships and related remissions support;
- \$540,000 and eight positions to support new development efforts and strengthen institutional communications and publication services;
- \$217,000 and seven positions to meet police staffing deficiencies and support the student patrol;
- \$33,500 and one position for a Campus AIDS educator and counselor;
- \$20,000 to support the Mediation Center between the City of College Park and the campus;

- \$180,000 to correct for erosions in the Maryland Fire and Rescue Institute budget;
- \$400,000 and 30 positions to improve campus housekeeping services.

Since not all high priority requirements were able to be included within the asking budget, the university submitted, as in previous years, a Separate List of important initiatives for which it requests supplemental funding. Those items on the Separate List that relate to College Park include:

- \$600,000 for equipment in academic support areas;
- \$420,000 for Scholarships and Graduate Fellowships;
- \$791,150 for libraries;
- \$1,022,013 for various academic program initiatives in the areas of desegregation and undergraduate recruitment and retention;
- Continuing research initiatives at College Park, \$2.9 million including \$1 million for the second year of a three-year program to provide state funds for the Center of Excellence in

Systems Engineering; \$1 million for the second year of a three-year program to develop the Center for Superconductivity; and \$991,000 for further support for the development, transfer, and application of advanced scientific, business and economic information to industry.

—Academic Computing, \$1,196,000 to support academic computer resources including additional support for an initiative to provide a computer workstation for each member of the faculty and for every 20 students.

—Administrative Computing, \$200,000 to continue improvements in the area of the administrative computing network;

—Administrative and other program support, \$1.6 million to add staff to improve responsiveness of administrative functions to the teaching, research and public service missions;

—Physical Plant and Facilities Renewal, \$1,868,000 for maintenance and renewal of infrastructures. ■

—Roz Hiebert

MacMania '88 set for September

If you've been searching for the right computer for your needs, stop by the Campus Computer Emporium for a look at the Macintosh systems being offered by Apple at special educational discounts to UM students, faculty and staff, now through Sept. 19.

The Emporium, operated by the Computer Science Center, offers equipment chosen to fit into the campus computer environment, including the IBM PS/2 family and the Apple Macintosh family.

The Emporium staff provides expert advice to help you tailor a system to your needs and budget. The Emporium is located in temporary Bldg. 339 in parking lot 11. Call 454-5825.

Project Aims to Attract Film Industry to State

The College of Business and Management has been awarded a contract by The Maryland Department of Economic and Employment Development, through the Maryland Film Institute, to study the economic impact of the film industry in the state.

Carl Scheraga, a member of the transportation, business and public policy faculty and the project's primary economic researcher, and Eva Zang, director of the Center for Management Development, coordinate the project.

The study's particular focus is the edge Maryland's film firms can offer their clients because of the firms' advanced video technology. Another goal of the study is to examine ways for making the state's film industry more competitive by attracting new domestic and foreign clients to Maryland.

Center to Study Needs Assessment

The Maryland Center for Productivity and Quality of Working Life, established in the College of Business and Management in 1978 and directed by Tom Tuttle in conjunction with the Maryland Department of Economic and Employment Development, is conducting a training needs

assessment for the state. The results of this survey will be used in the development of this year's state legislative program.

The center has been contracted by the Maryland State Department of Education/Vocational-Technical Education to assist in creating a vision for vocational education throughout the state.

Campus Innkeepers Had Full House During Record-breaking Summer

UMCP played host to some 30,000 visitors and guests during the summer as members of groups and organizations from around the country and overseas attended nearly 50 distinct conferences, competitions, congresses and sports camps held on campus.

Campus Guest Services, established by the Vice Chancellor for Student Affairs more than three years ago to promote, coordinate and supervise services provided to summer guests, experienced what its director Patrick C. Perfetto called "one of the busiest, most interesting and diverse summers UMCP has ever seen."

Journalism workshops for high school students, the Universal Cheerleading camp, the American Double Dutch jump rope tournament, the Maryland Psychological Association, and the Fred Waring Chorus were just a few of the groups and activities making use of the lodging, dining and meeting room facilities available on the College Park campus.

In early June more than 7,000 participants, judges and guests took part in the World Finals of the Odyssey of the Mind competition. Within a week, some 1,700 young people from across the country were on campus for the

annual National History Day Competition, the ninth year the group has come to UMCP.

Some 22,500 of the state's finest athletes took part in the Maryland State Games, the state's Olympic development program now in its fourth consecutive year at UMCP in mid June.

Over the summer 13 sports camps including basketball, football, soccer, lacrosse and field hockey attracted almost 2,000 potential recruits to the campus athletics programs.

In July the campus hosted the 14th annual convention of ACUHO-I, the Association of College and University Housing Officers International. The group of 1,200 represented campus housing officials from schools across the country.

For almost 70 years, the Young Calvinist Federation has been ministering to young people ages 15 and up. In August more than 3,000 teenagers converged on the UMCP campus for the Federation's North America Convention, a full week of fellowship, prayer, learning and fun.

As Perfetto noted: "It was a most spectacular summer." ■